

## WHAT IS CLAIMED IS:

1. A pneumatic tire having a tread pattern in which main lug grooves are disposed in opposing shoulder regions of a tread portion at a predetermined pitch in a circumferential direction of a tire, the main lug grooves being so arranged as to provide  
5 circumferential phase difference between the opposing tread shoulder regions,

wherein a narrow shallow groove is disposed in a central region of the tread portion in its width direction for connecting the main lug grooves located in the opposing tread shoulder regions, and

wherein a shallow groove portion is formed in a shoulder end region inside the  
10 main lug groove.

2. The pneumatic tire according to claim 1, wherein groove depth of the narrow shallow groove is set in a range of 15 to 30% of groove depth of the main lug groove.

3. The pneumatic tire according to claim 1, wherein a region in which the narrow shallow groove is arranged is set in a range of 20 to 40% of width of the tread  
15 portion.

4. The pneumatic tire according to claim 1, wherein groove width of the narrow shallow groove is set in a range of 35 to 100% of groove width of the main lug groove.

5. The pneumatic tire according to claim 1, wherein groove depth of the  
20 shallow groove portion inside the main lug groove is set in a range of 50 to 80% of groove depth of the main lug groove.

6. The pneumatic tire according to claim 1, wherein a region in which the shallow groove portion is formed inside the main lug groove is set in a range of 20 to 50% of groove length of the main lug groove extending from tread end to tread center of  
25 the tread portion.